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graphic services for global development

CER - APPROVED BY UN
CLIMATE NEUTRAL ORGANISATION

# CLIMATE CERTIFICATE 2015

CO2focus' Climate Certificate™ is hereby issued to ***Phoenix Design Aid*** which has compensated for the company's total CO2 emissions. The carbon footprint has been calculated according to the principles of The Greenhouse Gas Protocol (GHG Protocol) and includes the use of company cars, air travel, electricity, district heating and waste. ***Phoenix Design Aid*** has purchased UN issued emission credits equivalent to a total amount of **30 tonnes $CO_2$**.

The emission credits are issued by UN and called CER (Certified Emission Reduction). These are part of the Kyoto Protocol's mechanism to combat global warming, called the Clean Development Mechanism. A CER is an official emission credit which guarantees the reduction of greenhouse gas emissions and also supports sustainable growth in developing countries.

When a CER is issued the reduction in greenhouse gas emissions has alredy taken place. By purchasing CERs, ***Phoenix Design Aid*** is funding the reduction of GHG emissions equivalent to the face value of this certificate. The CERs are consequently retired from the market and can never be used again.

For more information about emission credits and which specific projects this certifate is linked to, please see the link to CDM project **0928 - The Norte III-B Landfill Gas Project, Argentina** or www.co2focus.com

Oslo, 18 March 2015

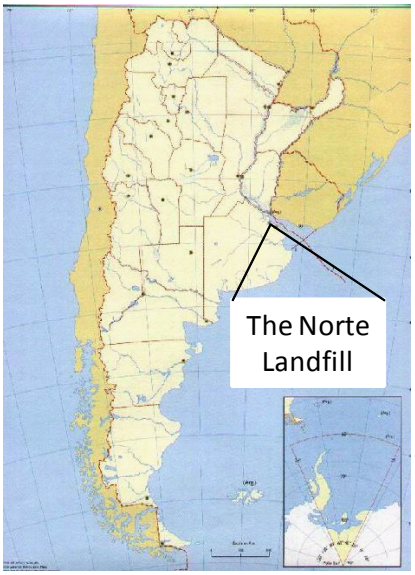
Per Otto Larsen

$CO_2$focus

# CDM 0928 - The Norte III-B Landfill Gas Project, Argentina

The landfill project is located at the The Norte III-B landfill site in the District of San Miguel, Province of Buenos Aires. The project consists in reducing greenhouse gases (GHGs) through capture and electricity generation of landfill gases. The landfill started its operation in 2006 and treats about 4 million tons of municipal waste per year from Buenos Aires metropolitan area and suburbs.

Waste handling technology is not well developed in Argentina. Uncontrolled landfills pollute the local environment and are potential grounds for disease proliferation and fire accidents. In addition landfills produce greenhouse gases as a result of the breakdown process of the waste.




The project has resulted in a well developed active gas collection, electricity generation and waste water treatment. Without this project methane would escape uncontrolled to the atmosphere. Methane ($CH_4$) has a high global warming potential, contributing 21 times more to the climate change than $CO_2$. Therefore the climate benefits are huge by collecting and generating electricity out of waste, since methane from landfills around the world have a considerable impact to the climate change.

The project fulfils the criteria for becoming a CDM project (Clean Development Mechanism) and has thus been validated by Det Norske Veritas and approved by the UN. The project has been possible to realise thanks to the CDM validation and the following issuing of CER (Certified Emission Reduction) credits by the UN.

By managing the landfill, the project reduces global $CO_2$-emissions by 150 000 tons $CO_2$ per year[1].

For more information about the project, please refer to the CDM project 928 at UNFCCC website http://cdm.unfccc.int/index.html

Aerial photo of the Norte III Environmental Complex

1 Corresponds to an annual $CO_2$ emission from more than 60 000 private cars.